



WAYNE PERRY, INC.

*Environmental Remediation, Construction and Consulting*

October 15, 2005

California Regional Water Quality Control Board  
Los Angeles Region  
320 West 4<sup>th</sup> Street, Suite 200  
Los Angeles, California 90013  
Attention: Information Technology Unit

Sent via: FedEx

**SUBJECT: THIRD QUARTER 2005 MONITORING REPORT**  
SHELL SERVICE STATION  
23387 PACIFIC COAST HIGHWAY (at Cross Creek Road)  
MALIBU, CALIFORNIA  
ORDER NO. R4-2002-0198, CI-8513  
WPI PROJECT NO. 02.313GW

On behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell), Wayne Perry, Inc. has prepared this report for the Shell Service Station located at 23387 Pacific Coast Highway in Malibu, California (Figure 1). All analyses were conducted at a laboratory certified for such analyses by the California Department of Health Services, and in accordance with current USEPA guideline procedures or as specified in this Monitoring Program.

### **GROUNDWATER MONITORING PROGRAM**

On July 11, 2005, Blaine Tech Services, Inc. of San Jose, California gauged and sampled Wells MW-3, MW-5, and MW-6. Groundwater gauging, elevation, and analytical data are in Table 1. Groundwater elevation data and contours are shown on Figure 2. Copies of the Blaine Tech Services, Inc. field sheets and Calscience Environmental Laboratories, Inc. report are in Appendix A. Based on the July 11, 2005 groundwater gauging data from Wells MW-3 and MW-5, and the approximate depth of the leach field (6.5 feet), the vertical separation from the bottom of the leach field to groundwater is approximately 4 to 6 feet.

## **EFFLUENT DISCHARGE MONITORING PROGRAM**

System operation, maintenance, and effluent sampling were performed by Environmental Planning & Design, LLC (EPD) of San Pedro, California. The EPD report is in Appendix B.

## **WARRANTY STATEMENT**

This report has been prepared by Wayne Perry, Inc. for the exclusive use of Shell as it pertains to the Shell Service Station located at 23387 Pacific Coast Highway in Malibu, California. Our professional services have been performed using that degree of care and skill ordinarily exercised under similar circumstances by other geologists, hydrogeologists, and engineers practicing in this field. No other warranty, express or implied, is made as to the professional advice in this report.

Groundwater gauging and sampling activities were performed by Blaine Tech Services, Inc. System operation, maintenance, and effluent sampling were performed by EPD. WPI accepts no responsibility as to the accuracy of the Blaine Tech Services, Inc. and EPD data.

If you have any questions, please contact Ms. Feryal Sarrafian of Shell at (310) 816-2216 or the undersigned at (714) 826-0352. If you have any questions regarding the Blaine Tech Services, Inc. data, please contact Mr. Francis Thei at (408) 573-0555. If you have any questions regarding the EPD data, please contact Mr. Kevin Poffenbarger at (310) 241-6565 ext. 245.

## **CERTIFICATION STATEMENT**

I certify under penalty of law that this document, including all attachments and supplemental information, was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment.

Executed on the 15 day of October 2005 at 12:40pm.

Signature: Andrew J. Hart

Andrew J. Hart, P.E.  
Senior Engineer  
Wayne Perry, Inc.

October 15, 2005  
Shell Service Station  
23387 Pacific Coast Highway, Malibu  
Page 3

Attachments: Table 1, Groundwater Data

Figure 1, Site Location Map

Figure 2, Groundwater Elevation Contour Map

Appendix A, Blaine Tech Services, Inc. Field Sheets and Calscience  
Environmental Laboratories, Inc. Report

Appendix B, EPD Report

cc: Ms. Feryal Sarrafian, Shell

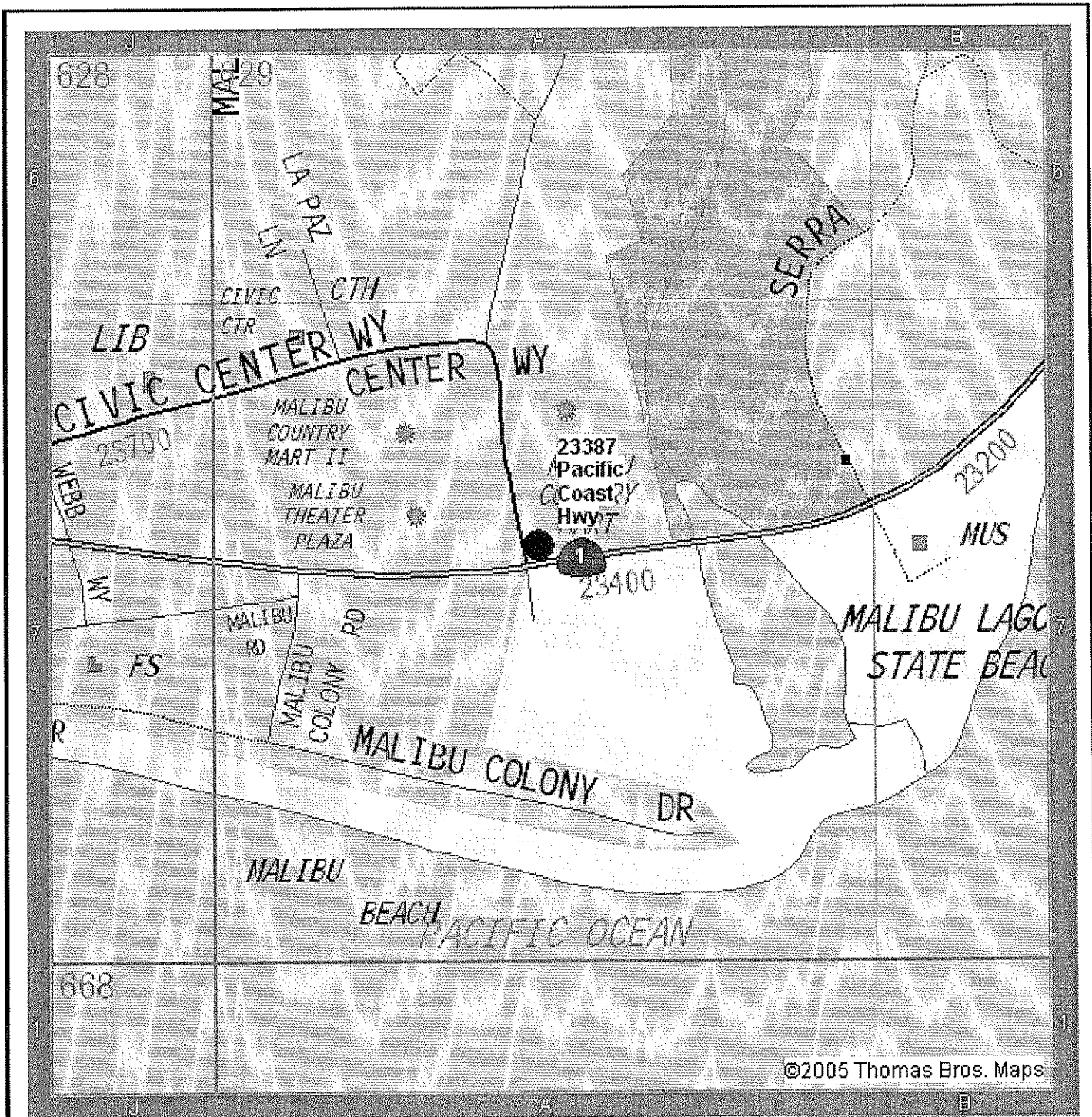
## **TABLE**

TABLE 1  
GROUNDWATER DATA  
SHELL SERVICE STATION  
23387 Pacific Coast Highway, Malibu

WELL	DATE	DEPTH TO GW (feet)	GW ELEV (feet relative to MSL)	WELL DEPTH (feet)	RECAL COLIFORM (MPN/100mL)	TOTAL COLIFORM (MPN/100mL)	ENTEROCOCCUS (MPN/100mL)	TDS (mg/L)	AMMONIA as NITROGEN (mg/L)	NITRATE as NITROGEN (mg/L)	NITRITE as NITROGEN (mg/L)	ORGANIC NITROGEN (mg/L)	SULFATE (mg/L)	CHLORIDE (mg/L)	BORON (mg/L)	COMMENTS
MW-3	07/11/05	10.81	6.40	33.62	17.21	<1.1	1.1	1200	0.14	ND<0.10	ND<0.10	ND<0.50	380	130	0.414	
MW-5	07/11/05	8.59	6.46	29.84	15.45	>23.0	<1.1	1200	ND<0.10	1.7	ND<0.10	ND<0.50	420	140	0.452	
MW-6	07/11/05	6.04	6.32	23.86	12.36	>23.0	<1.1	1300	0.63	27	ND<0.10	ND<0.50	240	240	0.374	

Notes:  
MSL - mean sea level  
MPN - most probable number  
mL - milliliters  
mg/L - milligrams per liter  
TDS - total dissolved solids  
ND - not detected

## **FIGURES**



REPRODUCED WITH PERMISSION GRANTED BY THOMAS BROS. MAPS.  
IT IS UNLAWFUL TO COPY OR REPRODUCE ALL OR ANY PART THEREOF,  
WHETHER FOR PERSONAL USE OR RESALE, WITHOUT PERMISSION. ®



DATE
REVISED
CAD FILE 02313LM

# SITE LOCATION MAP

SHELL SERVICE STATION  
23387 PACIFIC COAST HIGHWAY  
MALIBU, CA

FIGURE NO.

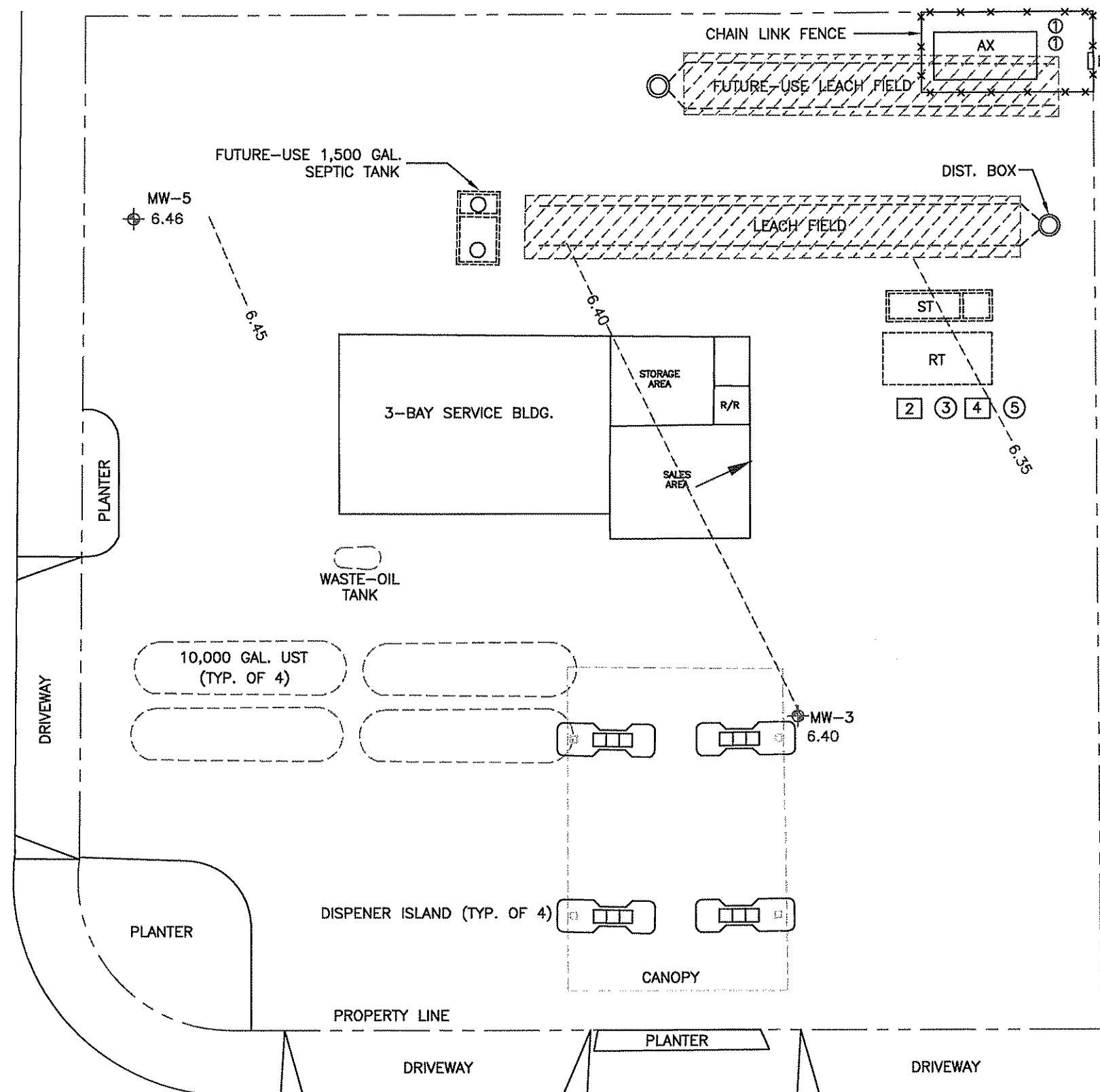
**1**

PROJECT NO.

02.313GW



CROSS CREEK ROAD

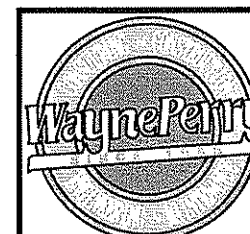


### LEGEND

- MW-6 6.32 GROUNDWATER MONITORING WELL SHOWING GROUNDWATER ELEVATION IN FEET RELATIVE TO MEAN SEA LEVEL
- GROUNDWATER ELEVATION CONTOUR
- DIRECTION OF GROUNDWATER FLOW
- CONTOUR INTERVAL = 0.05 FOOT
- RTU REMOTE TELEMETRY CONTROL PANEL
- ST SEPTIC TANK (2,000 GALLON)
- RT RECIRCULATION TANK (5,000 GALLON)
- AX ADVANTEX TREATMENT SYSTEM
- 1 VENT FAN ASSEMBLY
- 2 CHLORINE TABLET FEEDER
- 3 CHLORINE CONTACT CHAMBER
- 4 DECHLORINATION TABLET FEEDER
- 5 PUMP VAULT

0 20 FEET  
SCALE

PACIFIC COAST HIGHWAY



DATE DRAWN  
08/04/05  
DRAWN BY  
CAD FILE  
02313GW(A)

GROUNDWATER ELEVATION CONTOUR MAP  
JULY 11, 2005

SHELL SERVICE STATION  
23387 PACIFIC COAST HIGHWAY  
MALIBU, CA

FIGURE NO.

2

PROJECT NO.

02.313GW



## **APPENDIX A**

**BLAINE TECH SERVICES, INC. FIELD SHEETS AND CALSCIENCE  
ENVIRONMENTAL LABORATORIES, INC. REPORT**

## WELL GAUGING DATA

Project # 050711-KJ-1 Date 7/11/05 Client Shell

Site 23387 Pacific Coast Hwy., Malibu

[illegible]

BTS #: 050711-KJ-1	Site: 23387 PCH, Malibu
Sampler: K.J.	Date: 7/11/05
Well I.D.: MW-3	Well Diameter: 2 3 (4) 6 8
Total Well Depth (TD): 33.62	Depth to Water (DTW): 10.81
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 15.37	

Purge Method: Bailer  
Disposable Bailer  
Positive Air Displacement  
Electric Submersible  
Other \_\_\_\_\_

Waterra  
Peristaltic  
Extraction Pump  
Other \_\_\_\_\_

Sampling Method: Bailer  
Disposable Bailer  
Extraction Port  
Dedicated Tubing  
Other: \_\_\_\_\_

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius <sup>2</sup> × 0.163

$$\frac{14.8 \text{ (Gals.)}}{1 \text{ Case Volume}} \times \frac{3}{\text{Specified Volumes}} = \frac{44.4}{\text{Calculated Volume}} \text{ Gals.}$$

Time	Temp (°F)	pH	Cond. (mS or $\mu$ S)	Turbidity (NTUs)	Gals. Removed	Observations
842	71.6	6.9	1618	76	15	
847	71.3	7.0	1607	25	30	
852	71.1	7.0	1612	11	45	

Did well dewater? Yes ☒ No ☐ Gallons actually evacuated: 45

Sampling Date: 7/11/05 Sampling Time: 1127 Depth to Water: 10.82

Sample I.D.: MW-3 Laboratory: ☒ CalScience ☐ Columbia ☐ Other

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: 500 50 W

EB I.D. (if applicable): \_\_\_\_\_ @ \_\_\_\_\_ Time Duplicate I.D. (if applicable): \_\_\_\_\_

Analyzed for:	TPH-G	BTEX	MTBE	TPH-D	Oxygenates (5)	Other:
---------------	-------	------	------	-------	----------------	--------

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

BTS #: 050711-KJ-1	Site: 23387 PCH, Malibu
Sampler: K.J.	Date: 7/11/05
Well I.D.: MW-5	Well Diameter: 2 3 (4) 6 8
Total Well Depth (TD): 29.84	Depth to Water (DTW): 8.99
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVG) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 13.16	

Sampling Method: Bailer  
 Disposable Bailer  
 Extraction Port  
 Dedicated Tubing

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius <sup>2</sup> * 0.163

Time	Temp (°F)	pH	Cond. (mS or $\mu$ S)	Turbidity (NTUs)	Gals. Removed	Observations
936	71.0	7.1	1895	93	14	
940	70.7	7.1	1899	24	28	
944	70.7	7.1	1901	12	41	

Did well dewater? Yes ☒ No ☐ Gallons actually evacuated: 41

Sampling Date: 7/11/05 Sampling Time: 1210 Depth to Water: 9.09

Sample I.D.: MW-5 Laboratory: CalScience ☐ Columbia ☐ Other ☐

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: See 50W

EB I.D. (if applicable): \_\_\_\_\_ @ \_\_\_\_\_ Time Duplicate I.D. (if applicable): \_\_\_\_\_

Analyzed for:	TPH-G	BTEX	MTBE	TPH-D	Oxygenates (5)	Other:
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D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

# SHELL WELL MONITORING DATA SHEET

BTS #: <u>050711-KJ-1</u>	Site: <u>23387 PCH Malibu</u>
Sampler: <u>K.J.</u>	Date: <u>7/11/05</u>
Well I.D.: <u>MW-6</u>	Well Diameter: 2 3 <u>(4)</u> 6 8
Total Well Depth (TD): <u>23.86</u>	Depth to Water (DTW): <u>6.04</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>(PVC)</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: <u>9.60</u>	

Purge Method: Bailer      Waterra      Sampling Method: (Bailer)  
 Disposable Bailer      Peristaltic      Disposable Bailer  
 Positive Air Displacement      Extraction Pump      Extraction Port  
 Electric Submersible      Other \_\_\_\_\_      Dedicated Tubing

Other: \_\_\_\_\_

11.6 (Gals.) X	3	= 34.8 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius <sup>2</sup> * 0.163

Time	Temp (°F)	pH	Cond. (mS or <u>µS</u> )	Turbidity (NTUs)	Gals. Removed	Observations
906	70.8	7.1	1940	107	12	
910	71.2	7.1	1887	92	24	
914	71.0	7.0	1853	26	36	

Did well dewater? Yes (No) Gallons actually evacuated: 36

Sampling Date: 7/11/05 Sampling Time: 1147 Depth to Water: 6.12

Sample I.D.: MW-6 Laboratory: CaScience Columbia Other \_\_\_\_\_

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) (Other) See 30W

EB I.D. (if applicable): @ \_\_\_\_\_ Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: \_\_\_\_\_

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

Page 1 of 1

Client shell Date 7/11/05  
Site Address 23387 Pacific Coast Hwy., Malibu  
Job Number 050711-KJ-1 Technician K.J.

[illegible]

NOTES:

NO. 646776

## NON-HAZARDOUS WASTE DATA FORM

GENERATING SITE:

SHELL OIL #

23387 Pacific Coast Hwy, Malibu

EPA

ID

NO.

NOT REQUIRED

NAME SHELL OIL PRODUCTS US

ADDRESS 20945 S. WILMINGTON

PROFILE  
NO.

321002-18

CITY, STATE, ZIP CARSON, CA 90810

PHONE NO. ( )

ATTN: Feryal Sarrafian

CONTAINERS: No.

VOLUME

130 gallons

WEIGHT

TYPE:

☒

TANK TRUCK

☐

DUMP TRUCK

☐

DRUMS

☐

CARTONS

☐

OTHER

WASTE DESCRIPTION NON-HAZARDOUS GROUNDWATER

COMPONENTS OF WASTE

PPM

%

GENERATING PROCESS

PURGED GROUNDWATER

COMPONENTS OF WASTE

PPM

%

1. WATER 99-100%

5. SAP#

2. TPH &lt;1%

6. INCIDENT#

23387 Pacific Coast Hwy, Malibu

3.

7. BEST#

N/A

4. PROPERTIES: pH 4-10 ☐ SOLID ☒ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

8.

HANDLING INSTRUCTIONS:

24-HOUR EMERGENCY PHONE (800) 424-9300

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

Keith Jackson  
Typed or Printed Full Name & Signature(On behalf of SOP US) 7/11/05  
DATE

TO BE COMPLETED BY GENERATOR

TRANSPORTER

NAME NIETO AND SONS TRUCKING, INC.

FIRST TRANSPORTER

ADDRESS 1281 BREA CANYON ROAD

Blaine Tech Service, Inc.

20735 Belshaw Avenue

Carson, CA 90746

(310) 885-4455

CITY, STATE, ZIP BREA, CALIFORNIA 92821

PHONE NO. (714) 990-6855

EPA  
I.D.  
NO.

SERVICE ORDER NO.

PICK UP DATE

TRUCK, UNIT, I.D. NO.

TYPED OR PRINTED FULL NAME &amp; SIGNATURE

DATE

TSD FACILITY

NAME D/K ENVIRONMENTAL

EPA  
I.D.  
NO.

DISPOSAL METHOD

ADDRESS 3650 E. 26<sup>TH</sup> STREET☐

LANDFILL

☐

OTHER

CITY, STATE, ZIP LOS ANGELES, CA 90023

PHONE NO. (323) 268-5056

TYPED OR PRINTED FULL NAME &amp; SIGNATURE

DATE

GEN

OLD/NEW

L

A

TONS

TRANS

S

B

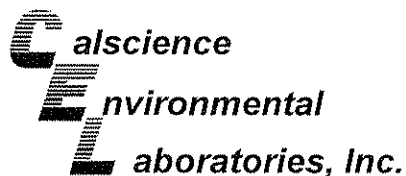
C/Q

RT/CD

HWDF

NONE

DISCREPANCY



July 19, 2005

Nick Sudano  
Blaine Tech Services, Inc  
20735 Belshaw Avenue  
Carson, CA 90746-3509

Subject: **Calscience Work Order No.: 05-07-0498**  
Client Reference: **23387 Pacific Coast Highway, Malibu, CA**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 7/11/2005 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Assurance Program Manual, applicable standard operating procedures, and other related documentation. The original report of any subcontracted analysis is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

A handwritten signature in black ink, appearing to read "Don Burley".

Calscience Environmental  
Laboratories, Inc.  
Don Burley  
Project Manager



**Analytical Report**
**LABORATORY ID: 05-07-0498**

Method: SM 4500 N OrgB

Matrix: Water/Aqueous

CLIENT: Blaine Tech Services, Inc.

PROJECT: 23387 Pacific Coast Highway, Malibu, CA

**Results**

Sample ID	Organic Nitrogen (mg/L)	Dilution Factor	Date Analyzed
MW-3	ND	1	07/15/05
MW-5	ND	1	07/15/05
MW-6	ND	1	07/15/05

Reporting Limit: 0.50

**Quality Assurance and Control Information**

Laboratory Control Spike Sample: MW-5

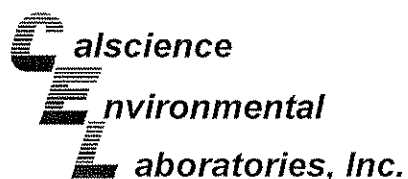
Batch ID:

50715OND1

	Sample Conc.	Duplicate Conc.	RPD (%)	Control Limits
Organic Nitrogen	ND	ND	NA	0-25

**Laboratory Notes**

Key: Rec=Recovery, ND=Not Detected at the reporting level



## Analytical Report

Blaine Tech Services, Inc  
20735 Belshaw Avenue  
Carson, CA 90746-3509

Date Received: 07/11/05  
Work Order No: 05-07-0498  
Preparation: EPA 3010A Total  
Method: EPA 6010B

Project: 23387 Pacific Coast Highway, Malibu, CA

Page 1 of 1

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
MW-3	05-07-0498-1	07/11/05	Aqueous	07/12/05	07/13/05	050712L05

Parameter	Result	RL	DF	Qual	Units
Boron	0.414	0.020	1		mg/L

MW-5	05-07-0498-2	07/11/05	Aqueous	07/12/05	07/13/05	050712L05
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Parameter	Result	RL	DF	Qual	Units
Boron	0.452	0.020	1		mg/L

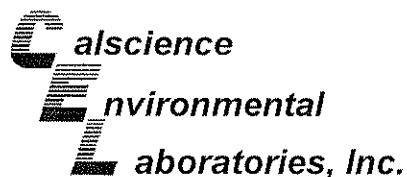
MW-6	05-07-0498-3	07/11/05	Aqueous	07/12/05	07/13/05	050712L05
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Parameter	Result	RL	DF	Qual	Units
Boron	0.374	0.020	1		mg/L

Method Blank	097-01-003-5,101	N/A	Aqueous	07/12/05	07/13/05	050712L05
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Parameter	Result	RL	DF	Qual	Units
Boron	ND	0.0200	1		mg/L

RL - Reporting Limit    DF - Dilution Factor    Qual - Qualifiers



## Analytical Report



Blaine Tech Services, Inc  
20735 Belshaw Avenue  
Carson, CA 90746-3509

Date Received: 07/11/05  
Work Order No: 05-07-0498

Project: 23387 Pacific Coast Highway, Malibu, CA

Page 1 of 2

Client Sample Number	Lab Sample Number	Date Collected	Matrix
MW-3	05-07-0498-1	07/11/05	Aqueous

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Solids, Total Dissolved	1200	10	1		mg/L	N/A	07/12/05	EPA 160.1
Chloride	130	50	50		mg/L	N/A	07/11/05	EPA 300.0
Nitrite (as N)	ND	0.10	1		mg/L	N/A	07/11/05	EPA 300.0
Nitrate (as N)	ND	0.10	1		mg/L	N/A	07/11/05	EPA 300.0
Sulfate	380	50	50		mg/L	N/A	07/11/05	EPA 300.0
Ammonia	0.14	0.10	1		mg/L	N/A	07/13/05	EPA 350.2

MW-5	05-07-0498-2	07/11/05	Aqueous
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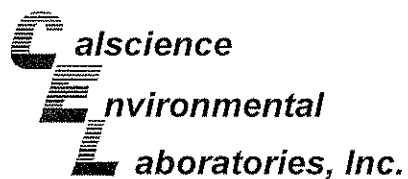
Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Solids, Total Dissolved	1200	10	1		mg/L	N/A	07/12/05	EPA 160.1
Chloride	140	50	50		mg/L	N/A	07/11/05	EPA 300.0
Nitrite (as N)	ND	0.10	1		mg/L	N/A	07/11/05	EPA 300.0
Nitrate (as N)	1.7	0.1	1		mg/L	N/A	07/11/05	EPA 300.0
Sulfate	420	50	50		mg/L	N/A	07/11/05	EPA 300.0
Ammonia	ND	0.10	1		mg/L	N/A	07/13/05	EPA 350.2

MW-6	05-07-0498-3	07/11/05	Aqueous
------	--------------	----------	---------

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Solids, Total Dissolved	1300	10	1		mg/L	N/A	07/12/05	EPA 160.1
Chloride	240	50	50		mg/L	N/A	07/11/05	EPA 300.0
Nitrite (as N)	ND	0.10	1		mg/L	N/A	07/11/05	EPA 300.0
Nitrate (as N)	27	1	10		mg/L	N/A	07/11/05	EPA 300.0
Sulfate	240	50	50		mg/L	N/A	07/11/05	EPA 300.0
Ammonia	0.63	0.10	1		mg/L	N/A	07/13/05	EPA 350.2

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

7440 Lincoln Way, Garden Grove, CA 92841-1427 • TEL:(714) 895-5494 • FAX: (714) 894-7501



## Analytical Report



Blaine Tech Services, Inc  
20735 Belshaw Avenue  
Carson, CA 90746-3509

Date Received: 07/11/05  
Work Order No: 05-07-0498

Project: 23387 Pacific Coast Highway, Malibu, CA

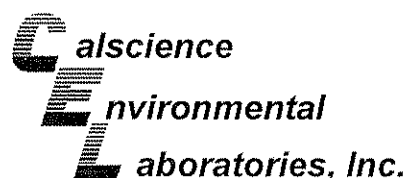
Page 2 of 2

Client Sample Number	Lab Sample Number	Date Collected	Matrix
Method Blank		N/A	Aqueous

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chloride	ND	1.0	1		mg/L	N/A	07/11/05	EPA 300.0
Nitrite (as N)	ND	0.10	1		mg/L	N/A	07/11/05	EPA 300.0
Nitrate (as N)	ND	0.10	1		mg/L	N/A	07/11/05	EPA 300.0
Sulfate	ND	1.0	1		mg/L	N/A	07/11/05	EPA 300.0
Ammonia	ND	0.10	1		mg/L	N/A	07/13/05	EPA 350.2

RL - Reporting Limit    DF - Dilution Factor    Qual - Qualifiers

7440 Lincoln Way, Garden Grove, CA 92841-1427 • TEL:(714) 895-5494 • FAX: (714) 894-7501



## Quality Control - Spike/Spike Duplicate

Blaine Tech Services, Inc  
20735 Belshaw Avenue  
Carson, CA 90746-3509

Date Received: 07/11/05  
Work Order No: 05-07-0498  
Preparation: EPA 3010A Total  
Method: EPA 6010B

Project 23387 Pacific Coast Highway, Malibu, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
05-07-0549-1	Aqueous	ICP 3300	07/12/05	07/13/05	050712S05

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Boron	102	102	80-120	0	0-20	

RPD - Relative Percent Difference , CL - Control Limit



**Environmental  
Laboratories, Inc.**

# **Quality Control - Spike/Spike Duplicate**

Blaine Tech Services, Inc  
20735 Belshaw Avenue  
Carson, CA 90746-3509

Date Received:  
Work Order No:

N/A  
05-07-0498

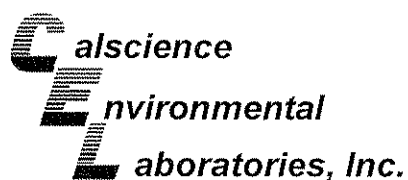
Project: 23387 Pacific Coast Highway, Malibu, CA

Matrix: Aqueous

<u>Parameter</u>	<u>Method</u>	<u>Quality Control Sample ID</u>	<u>Date Analyzed</u>	<u>Date Extracted</u>	<u>MS% REC</u>	<u>MSD % REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Chloride	EPA 300.0	MW-3	07/11/05	N/A	97	96	56-134	0	0-3	
Nitrite (as N)	EPA 300.0	MW-3	07/11/05	N/A	96	98	68-122	2	0-8	
Nitrate (as N)	EPA 300.0	MW-3	07/11/05	N/A	102	102	58-142	0	0-6	
Sulfate	EPA 300.0	MW-3	07/11/05	N/A	107	108	49-133	0	0-3	

RPD - Relative Percent Difference , CL - Control Limit

7440 Lincoln Way, Garden Grove, CA 92841-1427 • TEL:(714) 895-5494 • FAX: (714) 894-7501



## Quality Control - Duplicate

Blaine Tech Services, Inc  
20735 Belshaw Avenue  
Carson, CA 90746-3509

Date Received: N/A  
Work Order No: 05-07-0498

Project: 23387 Pacific Coast Highway, Malibu, CA

Matrix: Aqueous

Parameter	Method	QC Sample ID	Date Analyzed	Sample Conc	DUP Conc	RPD	RPD CL	Qualifiers
Ammonia	EPA 350.2	05-07-0410-1	07/13/05	ND	ND	NA	0-25	
Total Kjeldahl Nitrogen	EPA 351.3	05-07-0360-4	07/15/05	0.70	0.70	0	0-25	
Solids, Total Dissolved	EPA 160.1	05-07-0297-1	07/12/05	1000	1100	4	0-25	

RPD - Relative Percent Difference , CL - Control Limit

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# Environmental Quality Control - Laboratory Control Sample

## Laboratories, Inc.

Blaine Tech Services, Inc  
20735 Belshaw Avenue  
Carson, CA 90746-3509

Date Received: N/A  
Work Order No: 05-07-0498  
Preparation: EPA 3010A Total  
Method: EPA 6010B

Project: 23387 Pacific Coast Highway, Malibu, CA

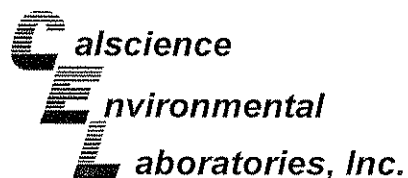
Quality Control Sample ID	Matrix	Instrument	Date Analyzed	Lab File ID	LCS Batch Number
097-01-003-5,101	Aqueous	ICP 3300	07/13/05	050712-1-05	050712L05

Parameter	Conc Added	Conc Recovered	LCS %Rec	%Rec CL	Qualifiers
Boron	0.500	0.497	99	80-120	

RPD - Relative Percent Difference , CL - Control Limit

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## Quality Control - LCS/LCS Duplicate

Blaine Tech Services, Inc  
20735 Belshaw Avenue  
Carson, CA 90746-3509

Date Received: N/A  
Work Order No: 05-07-0498

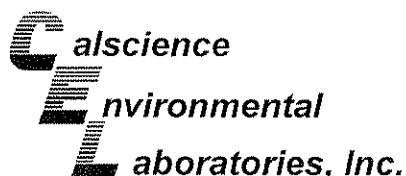
Project: 23387 Pacific Coast Highway, Malibu, CA

Matrix: Aqueous

<u>Parameter</u>	<u>Method</u>	<u>Quality Control</u> <u>Sample ID</u>	<u>Date</u> <u>Extracted</u>	<u>Date</u> <u>Analyzed</u>	<u>LCS %</u> <u>REC</u>	<u>LCSD %</u> <u>REC</u>	<u>%REC</u> <u>CL</u>	<u>RPD</u>	<u>RPD</u> <u>CL</u>	<u>Qual</u>
Chloride	EPA 300.0	099-05-118-2,845	N/A	07/11/05	98	95	81-111	3	0-5	
Nitrite (as N)	EPA 300.0	099-05-118-2,845	N/A	07/11/05	96	96	73-115	1	0-26	
Nitrate (as N)	EPA 300.0	099-05-118-2,845	N/A	07/11/05	97	98	87-111	1	0-12	
Sulfate	EPA 300.0	099-05-118-2,845	N/A	07/11/05	96	96	89-107	0	0-13	

RPD - Relative Percent Difference , CL - Control Limit

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## Glossary of Terms and Qualifiers

Work Order Number: 05-07-0498

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<u>Qualifier</u>	<u>Definition</u>
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike or Matrix Spike Duplicate compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

A handwritten signature in black ink, appearing to be 'M. W. W.', is located at the bottom left of the page.

LAB: CalScience

Lab Identification (if necessary):

Address:

City, State, Zip:

# SHELL Chain Of Custody Record

Shell Project Manager to be invoiced:

Feryal Sarrafian

- ☐ SCIENCE & ENGINEERING  
☒ TECHNICAL SERVICES  
☐ CRMT HOUSTON

INCIDENT NUMBER (S&E ONLY)  
 SAP OF CRMT NUMBER (TS/CRMT)

DATE: 7/11/05  
 PAGE: 1 of 1

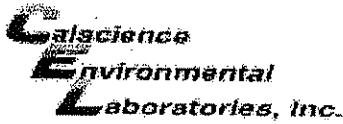
SAMPLING COMPANY: Blaine Tech Services, Inc.  
 ADDRESS: 20735 Belshaw Avenue, Carson, CA 90746  
 PROJECT CONTACT (hardcopy & PCF Report to):  
Nick Sudano  
 TELEPHONE: 310-885-4455 FAX: 310-637-5802 EMAIL: nsudano@blainetech.com  
 TURNAROUND TIME (BUSINESS DAYS):  
☒ 10 DAYS ☐ 5 DAYS ☐ 72 HOURS ☐ 48 HOURS ☐ 24 HOURS ☐ LESS THAN 24 HOURS  
☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY: \_\_\_\_\_  
 GC/MS MTBE CONFIRMATION: HIGHEST \_\_\_\_\_ HIGHEST per BORING \_\_\_\_\_ ALL \_\_\_\_\_  
 SPECIAL INSTRUCTIONS OR NOTES: ☐ CHECK BOX IF EDD IS NOT NEEDED ☐  
 \*No report submission to Blaine Tech Services required  
 \*\*FECAL COLIFORM, TOTAL COLIFORM AND ENTEROCOCCUS MUST HAVE  
 DETECTION LIMITS OF LESS THAN 1 MPN/100ml OR LOWER

## REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	TIME	MATRIX	NO. OF CONT.	Fecal Coliform **	Total Coliform **	Enterococcus **	Total Dissolved Solids	Ammonia as Nitrogen	Nitrate as Nitrogen	Nitrite as Nitrogen	Organic Nitrogen	Sulfate	Chloride	Boron	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes	TEMPERATURE ON RECEIPT C°
	MW-3	7/11/05	1127	W	10	X	X	X	X	X	X	X	X	X	X	X		
	MW-5	↓	1210	↓	↓	X	X	X	X	X	X	X	X	X	X	X		
	MW-6	↓	1217	↓	↓	X	X	X	X	X	X	X	X	X	X	X		

RECEIVED BY (Signature): [Signature] Date: 07-11-05 Time: 12:30  
 RECEIVED BY (Signature): [Signature] Date: 07-11-05 Time: 14:00  
 RECEIVED BY (Signature): [Signature] Date: 07-11-05 Time: 14:00

DISTRIBUTION: White with final report, Green to File, Yellow and Pink to Client.



WORK ORDER #:

05 - 07 - 0498

Cooler 1 of 1

## SAMPLE RECEIPT FORM

CLIENT: BLAINE - TECHDATE: 07-11-05

## TEMPERATURE - SAMPLES RECEIVED BY:

## CALSCIENCE COURIER:

- ☐ Chilled, cooler with temperature blank provided.  
☐ Chilled, cooler without temperature blank.  
☒ Chilled and placed in cooler with wet ice.  
☐ Ambient and placed in cooler with wet ice.  
☐ Ambient temperature.

3,2 °C Temperature blank.

## LABORATORY (Other than Calscience Courier):

- ☐ °C Temperature blank.  
☐ °C IR thermometer.  
☐ Ambient temperature.

Initial: BO

## CUSTODY SEAL INTACT:

Sample(s): \_\_\_\_\_ Cooler: \_\_\_\_\_ No (Not Intact): \_\_\_\_\_ Not Applicable (N/A): /Initial: BO

## SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody document(s) received with samples.....	<u>/</u>		
Sample container label(s) consistent with custody papers.....	<u>/</u>		
Sample container(s) intact and good condition.....	<u>/</u>		
Correct containers for analyses requested.....	<u>/</u>		
Proper preservation noted on sample label(s).....	<u>/</u>		
VOA vial(s) free of headspace. ....	<u>/</u>		
Tedlar bag(s) free of condensation.....			<u>/</u>

Initial: BO

## COMMENTS:

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**SILLIKER, Inc.**  
**Southern California Laboratory**

6360 Gateway Drive  
 Cypress, CA 90630  
 714/ 226-0000 Fax 714/ 226-0009

**CERTIFICATE OF ANALYSIS**

COA No:	SCA-30744833-0
Supersedes:	None
COA Date	7/15/05
Page 1 of 1	

**TO:**

Mr. Don L. Burley  
 Project Manager  
 Calscience Environmental Laboratories  
 7440 Lincoln Way  
 Garden Grove, CA 92841-1432

Received From:	Garden Grove, CA
Received Date:	7/11/05
P.O.# / ID:	05-07-0498
Location of Test: (except where noted) Cypress, CA	

**Analytical Results**

Desc. 1:	Sample ID: MW-3	Desc. 4:	Matrix:W	Laboratory ID:	304180115
Desc. 2:	Date: 7/11/05	Desc. 5:	Project #:05-07-0498	Condition Rec'd:	NORMAL
Desc. 3:	Time:11:27			Temp Rec'd (°C):	7.0

Analyte	Result	Units	Method Reference	Test Date	Loc.
Coliforms - 10X10 ml MPN	<1.1	/100mL	SMEWW 20th, 9221A-D	7/13/05	
Enterococci - 10X10 ml MPN	1.1	/100mL	SMEWW, 19th ed.	7/14/05	
Fecal Coliforms-10X10 ml MPN	<1.1	/100mL	SMEWW 19th ed 9221 E	7/13/05	

Desc. 1:	Sample ID: MW-5	Desc. 4:	Matrix:W	Laboratory ID:	304180118
Desc. 2:	Date: 7/11/05	Desc. 5:	Project #:05-07-0498	Condition Rec'd:	NORMAL
Desc. 3:	Time:12:10			Temp Rec'd (°C):	7.0

Analyte	Result	Units	Method Reference	Test Date	Loc.
Coliforms - 10X10 ml MPN	>23.0	/100mL	SMEWW 20th, 9221A-D	7/15/05	
Enterococci - 10X10 ml MPN	<1.1	/100mL	SMEWW, 19th ed.	7/14/05	
Fecal Coliforms-10X10 ml MPN	6.9	/100mL	SMEWW 19th ed 9221 E	7/15/05	

Desc. 1:	Sample ID: MW-6	Desc. 4:	Matrix:W	Laboratory ID:	304180122
Desc. 2:	Date: 7/11/05	Desc. 5:	Project #:05-07-0498	Condition Rec'd:	NORMAL
Desc. 3:	Time:11:47			Temp Rec'd (°C):	7.0

Analyte	Result	Units	Method Reference	Test Date	Loc.
Coliforms - 10X10 ml MPN	>23.0	/100mL	SMEWW 20th, 9221A-D	7/15/05	
Enterococci - 10X10 ml MPN	<1.1	/100mL	SMEWW, 19th ed.	7/14/05	
Fecal Coliforms-10X10 ml MPN	1.1	/100mL	SMEWW 19th ed 9221 E	7/15/05	

**COA Comment:** A Coliform Count of <1.1/100ml, Absent/100ml, and a Heterotrophic Plate Count of <500/ml is in compliance with the State of California and the U.S. Public Health Services regulations for potable water.  
 Method Reference: SMEWW

*Vidhya Gangar*  
 Vidhya Gangar, M.S. Laboratory Director

**LABORATORIES, INC.**  
7440 LINCOLN WAY  
GARDEN GROVE, CA 92841-1427  
TEL: (714) 895-5494 • FAX: (714) 894-7504

CHAIN OF CUSTODY RECORD

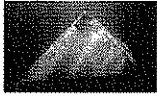
Date 7/11/05

Page 1 of 1

LABORATORY CLIENT:						CLIENT PROJECT NAME / NUMBER: <b>05-07-0498</b>								P.O. NO.:													
ADDRESS:						PROJECT CONTACT: <b>Don Burley</b>								LAB USE ONLY <input type="checkbox"/> - <input type="checkbox"/> <input type="checkbox"/> - <input type="checkbox"/> <input type="checkbox"/> - <input type="checkbox"/>													
CITY:						STATE:								ZIP:													
TEL:						FAX:		E-MAIL:						TEMP = _____ °C													
TURNAROUND TIME:																											
<input type="checkbox"/> SAME DAY <input type="checkbox"/> 24 HR <input type="checkbox"/> 48 HR <input type="checkbox"/> 72 HR <input type="checkbox"/> 5 DAYS <input type="checkbox"/> 10 DAYS SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY) <input type="checkbox"/> RWQCB REPORTING FORMS <input type="checkbox"/> COELT EDF <input type="checkbox"/>						<b>REQUESTED ANALYSES</b>																					
SPECIAL INSTRUCTIONS: <b>* Fecal Coliform, Total Coliform and Enterococcus must have detection limits of less than 1 MPN/100ml or lower.</b>						TPH (G)	TPH (D) or	BTEX / MTBE (826B) or	OXYGENATES (826B)	VOCs (826B)	5035 ENCORE PREP	SVOCs (8270C)	PEST (8081A)	PCBs (8082)	CAC, T22 METALS (6010B) / 747	PNAS (8310) or (8270C)	VOCs (TO-14A) or (TO-15)	TPH(G) (TO-3M)	Fecal Coliform	Total Coliform	Enterococcus						
																						X	X	X			
																							X	X	X		
																							X	X	X		
LAB USE ONLY	SAMPLE ID	FIELD POINT NAME (FOR COELT EDF)	SAMPLING DATE		TIME	MATRIX	NO. OF CONT.																				
	MW-3		7/11/05		1127	W	2																				
	MW-5		1210			I	2																				
	MW-6		1147			A	2																				
Relinquished by: (Signature)																Received by: (Signature)				Date: 7/11/05				Time: 4:40pm			
Relinquished by: (Signature)																Received by: (Signature)				Date:				Time:			
Relinquished by: (Signature)																Received for Laboratory by: (Signature)				Date:				Time:			

**DISTRIBUTION:** When with final report, Green to file, Yellow to Client.  
Please note that pages 1 and 2 of our T/Cs are printed on the reverse side of the Green and Yellow copies respectively.

**APPENDIX B**  
**EPD REPORT**



## Environmental Planning & Design, LLC

411 N. Harbor Blvd, Ste 304, San Pedro, CA 90731  
Phone (310) 241.6565 Fax (310) 241.6566

October 11, 2005

California Regional Water Quality Control Board  
320 W. 4<sup>th</sup> Street, Suite 200  
Los Angeles, CA 90013  
(213)576-6600  
FAX (213)576-6640  
**Attn: Information Technology Unit**

### 3rd QUARTER 2005 QUARTERLY REPORT JULY -- SEPTEMBER

**MONITORING AND REPORTING PROGRAM NO. CI-8513**  
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
LOS ANGELES REGION

EQUILON ENTERPRISES, LLC  
(Malibu Shell, 23387 Pacific Coast Highway @ Cross Creek Rd.)  
File No. 01-143  
Order No. R4-2002-0198

#### SECTION II. SEPTIC DISPOSAL SYSTEM EFFLUENT MONITORING REQUIREMENTS

The subject system was put into service on August 20, 2004. Attachments show daily flow for the quarter, and an analysis of effluent sampled September 28.

Per the referenced Order, quarterly reports are required which shall contain the following information in Section II:

1. Average and maximum daily waste flow for each month of the quarter, in gallons per day.

7/1/05 – 7/31/05

Average daily waste flow = 363 gallons per day

Maximum daily waste flow = 619 gallons per day

8/1/05 – 8/31/05

Average daily waste flow = 275 gallons per day

Maximum daily waste flow = 437 gallons per day

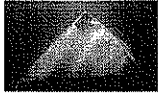
9/1/05 – 9/30/05

Average daily waste flow = 209 gallons per day

Maximum daily waste flow = 435 gallons per day

Daily flows are presented in Attachment 1.





## Environmental Planning & Design, LLC

2. Estimated population served during each month of the reporting period.

7/1/05 – 7/31/05

Total waste flow = 11,266 gallons @ 5gpd/user = 2253 users

8/1/05 – 8/31/05

Total waste flow = 8538 gallons @ 5gpd/user = 1708 users

9/1/05 – 9/30/05

Total waste flow = 6283 gallons @ 5gpd/user = 1256 users

3. Results of at least monthly observations in the disposal area for any overflow or surfacing of wastes.

The disposal area was observed once every two weeks, minimum, throughout the reporting period. There was never any indication of overflow or surfacing of wastes.

4. Sample Analysis

All constituents tested were within limits in a sample collected on September 28, 2005. The lab analysis report for the September 28 sample is provided as Attachment 2.

Constituent	Units	Limit	Result
Total flow average	gal/day	-	
BOD	mg/L	30	11
Total suspended solids	mg/L	30	7
Fecal coliform	MPN/100 mL	200	< 2
Enterococcus	MPN/100 mL	24	< 10
Residual Chlorine	mg/L	-	< 0.02

### CERTIFICATION STATEMENT

I certify under penalty of law that this document, including all attachments and supplemental information, was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment.

Regards,

  
Kevin Poffenbarger  
Principal  
(310) 241-6565 x245

Attachment 1: Flow Data

Attachment 2: PatChem Laboratories 9/28/05 Wastewater Analysis

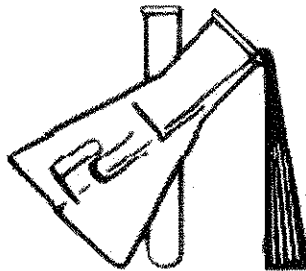
### Attachment 1. Daily Flow

Date	Gallons	Date	Gallons	Date	Gallons
7/1/2005	175	8/1/2005	435	9/1/2005	172
7/2/2005	261	8/2/2005	259	9/2/2005	263
7/3/2005	350	8/3/2005	261	9/3/2005	173
7/4/2005	435	8/4/2005	260	9/4/2005	261
7/5/2005	530	8/5/2005	260	9/5/2005	435
7/6/2005	333	8/6/2005	262	9/6/2005	262
7/7/2005	347	8/7/2005	437	9/7/2005	173
7/8/2005	259	8/8/2005	351	9/8/2005	173
7/9/2005	265	8/9/2005	259	9/9/2005	173
7/10/2005	262	8/10/2005	260	9/10/2005	89
7/11/2005	352	8/11/2005	261	9/11/2005	347
7/12/2005	260	8/12/2005	260	9/12/2005	345
7/13/2005	259	8/13/2005	261	9/13/2005	174
7/14/2005	175	8/14/2005	347	9/14/2005	178
7/15/2005	259	8/15/2005	433	9/15/2005	176
7/16/2005	349	8/16/2005	263	9/16/2005	179
7/17/2005	347	8/17/2005	267	9/17/2005	176
7/18/2005	617	8/18/2005	260	9/18/2005	263
7/19/2005	353	8/19/2005	262	9/19/2005	262
7/20/2005	360	8/20/2005	174	9/20/2005	261
7/21/2005	261	8/21/2005	351	9/21/2005	89
7/22/2005	262	8/22/2005	435	9/22/2005	174
7/23/2005	261	8/23/2005	174	9/23/2005	175
7/24/2005	528	8/24/2005	262	9/24/2005	261
7/25/2005	532	8/25/2005	173	9/25/2005	177
7/26/2005	458	8/26/2005	87	9/26/2005	261
7/27/2005	361	8/27/2005	261	9/27/2005	176
7/28/2005	360	8/28/2005	263	9/28/2005	173
7/29/2005	545	8/29/2005	350	9/29/2005	173
7/30/2005	534	8/30/2005	263	9/30/2005	87
7/31/2005	619	8/31/2005	87		
<b>Max</b>		<b>Max</b>	<b>437</b>	<b>Max</b>	<b>435</b>
<b>Min</b>		<b>Min</b>	<b>87</b>	<b>Min</b>	<b>87</b>
<b>Average</b>		<b>Average</b>	<b>275</b>	<b>Average</b>	<b>209</b>
<b>Total</b>		<b>Total*</b>	<b>8538</b>	<b>Total*</b>	<b>6283</b>

Average for quarter =

284 gpd

calculated using 55 gpm



# PAT-CHEM LABORATORIES

11990 Discovery Ct. • Moorpark, CA 93021 • Ph. (805) 532-0012 • Fax (805) 532-0016

Customer: Environmental Planning & Design  
411 N Harbor Blvd  
San Pedro CA, 90731

Page 1 of 1

Attention: Kevin Poffenberger  
Report Date: 04-Oct-05 09:49  
Subject: Wastewater Samples

Project/P.O.# Shell

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
<b>Effluent (Sample I.D.# : 0509482-01) Collected: 28-Sep-05 By L.Lara Op PCL</b>						
Biochemical Oxygen Demand	EPA 405.1	AI52916	5	04-Oct-05 (CA)	11 mg/l	
Residual Chlorine	EPA 330.5	AI52918	0.02	29-Sep-05 (CA)	< 0.02 mg/l	
Total Suspended Solids	EPA 160.2	AI52909	5	29-Sep-05 (CW)	7 mg/l	
Enterococcus	SM 9230B	AI52816	10.0	29-Sep-05 (CW)	< 10.0 MPN/100 ml	
Total Coliforms	SM 9221E	AI52816	2	30-Sep-05 (JV)	< 2 MPN/100 ml	
Fecal Coliforms	SM 9221E	AI52816	2	30-Sep-05 (JV)	< 2 MPN/100 ml	

## Notes and Definitions

DET Analyte DETECTED  
ND Analyte NOT DETECTED at or above the reporting limit  
NR Not Reported  
dry Sample results reported on a dry weight basis

Respectfully Submitted,

Pat Brueckner  
Laboratory Director

10/4/2005

